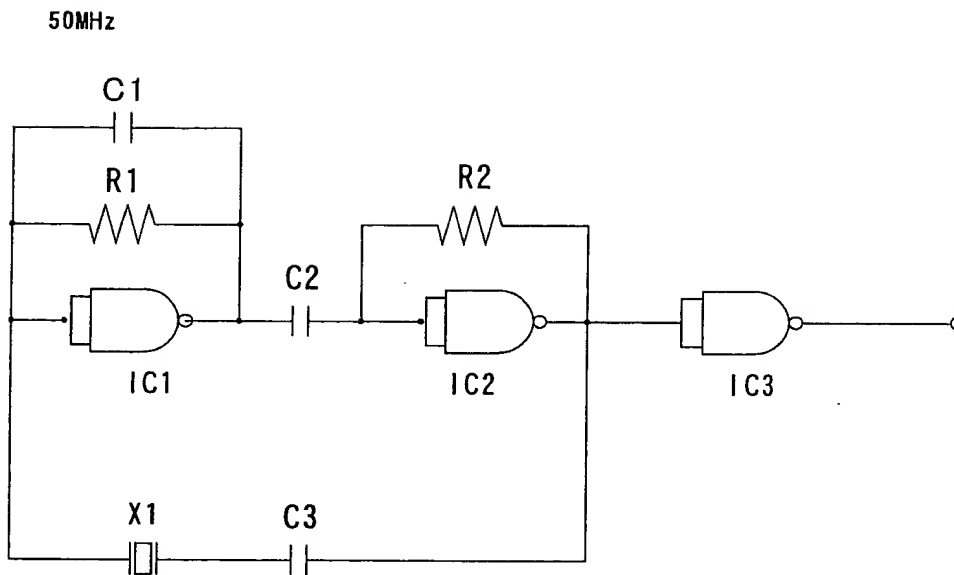
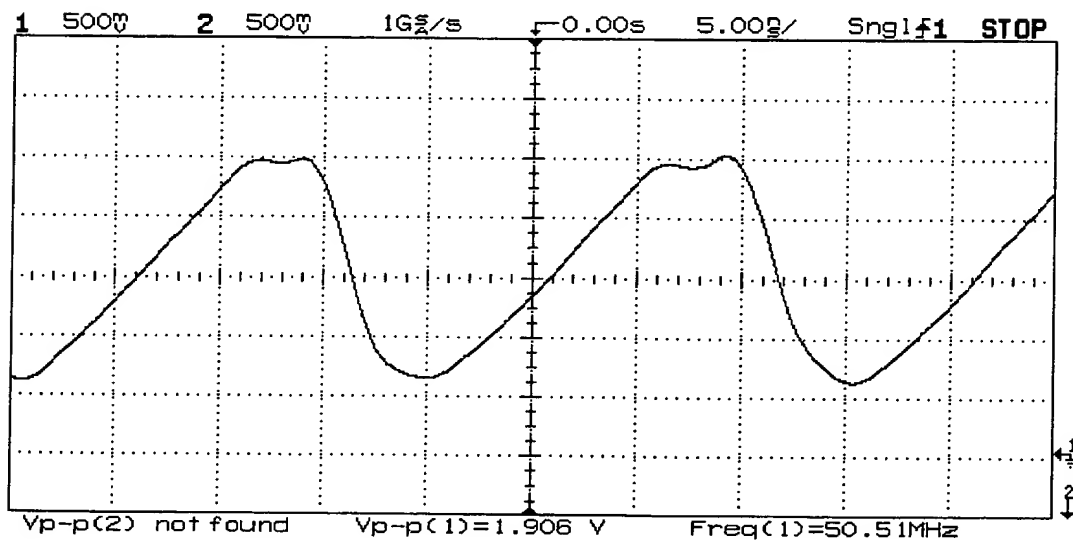


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Fig. 1(a)



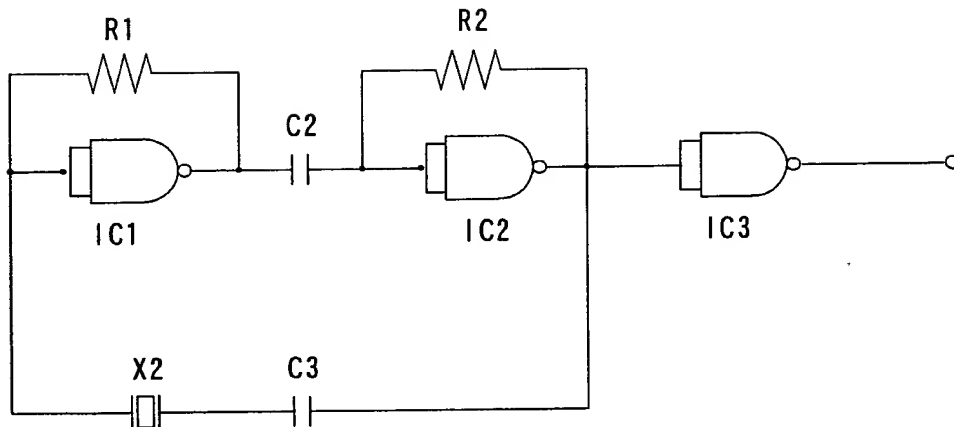
IC1 IC2 IC3: 74LS00 X1: 50MHz crystal oscillator
C1: 10pF R1: 470Ω C2: 7pF
R2: 330Ω C3: 100pF

Fig. 1(b)



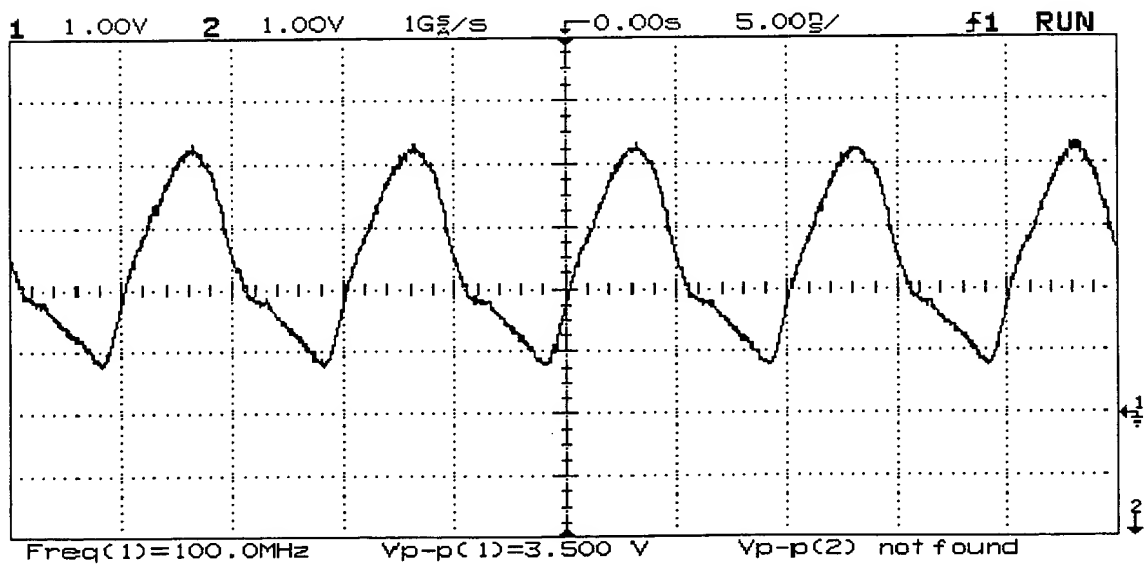
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Fig. 2(a)

100MHz



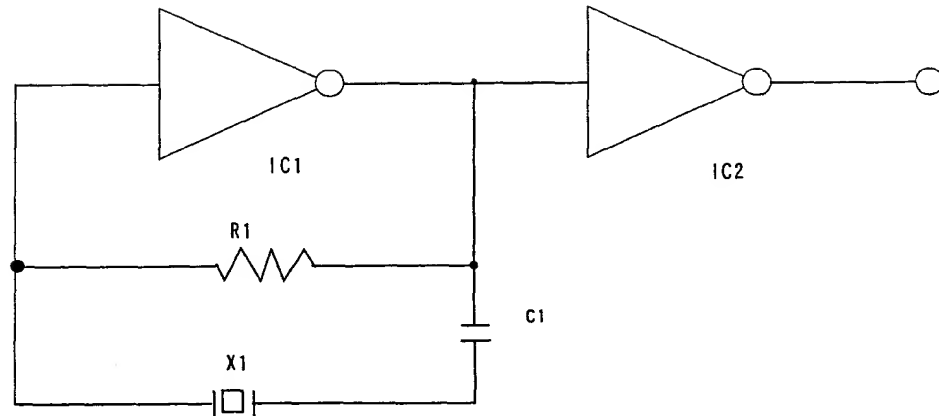
IC1 IC2 IC3: 74HC00 X2: 100MHz crystal oscillator
R1: 300Ω C2: 1pF R2: 300Ω C3: 100pF

Fig. 2(b)



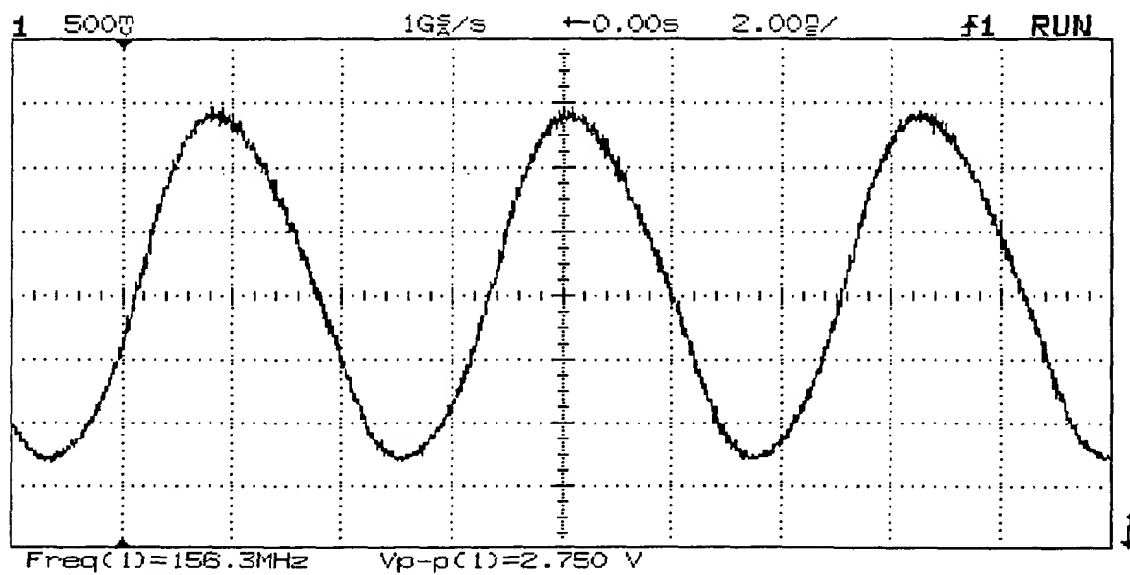
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Fig. 3(a)

155MHz



IC1 IC2: 74HCU04AP X1: 155MHz crystal oscillator
R1: 500KΩ C1: 50PF

Fig. 3(b)



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Fig. 4(a)

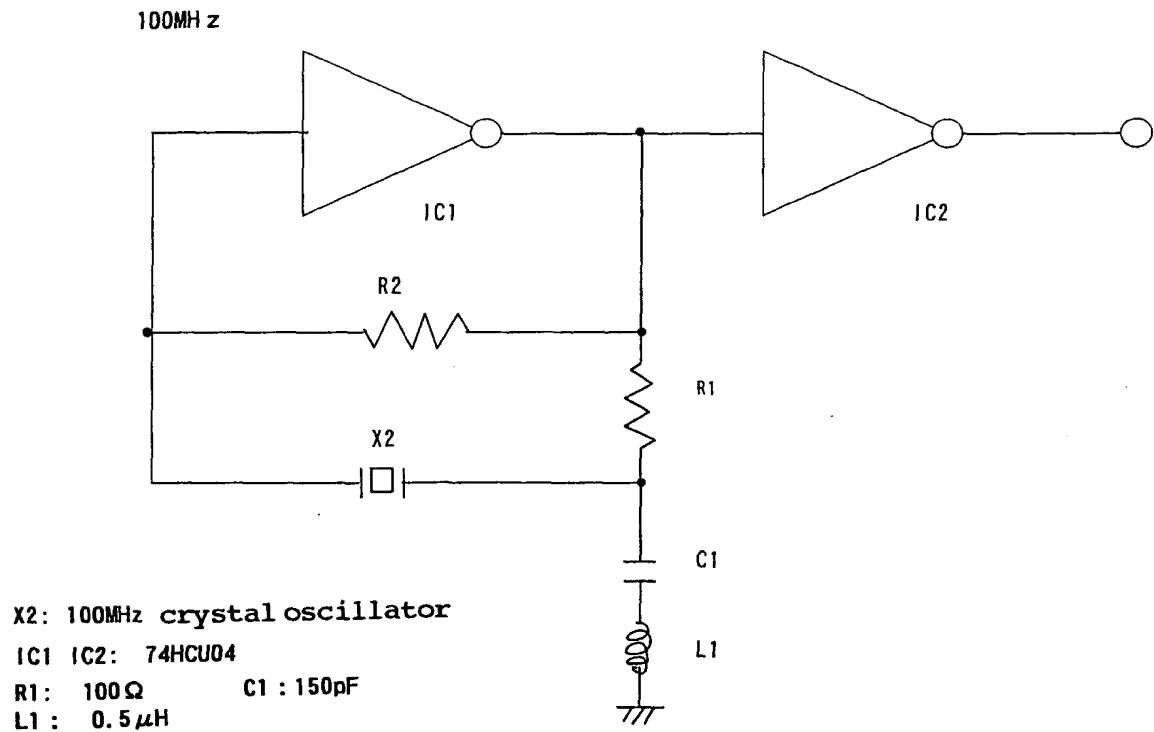
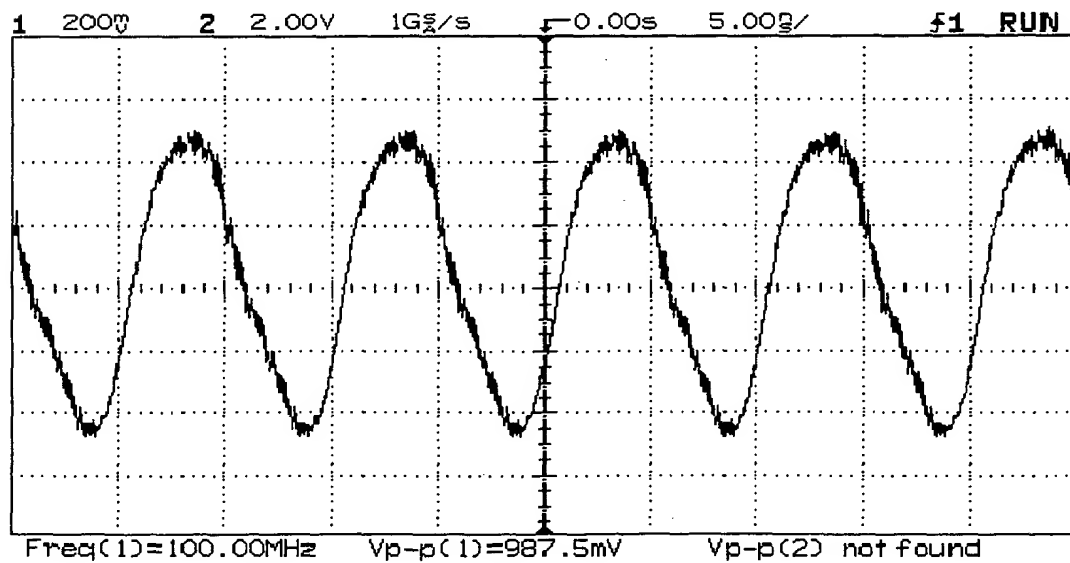
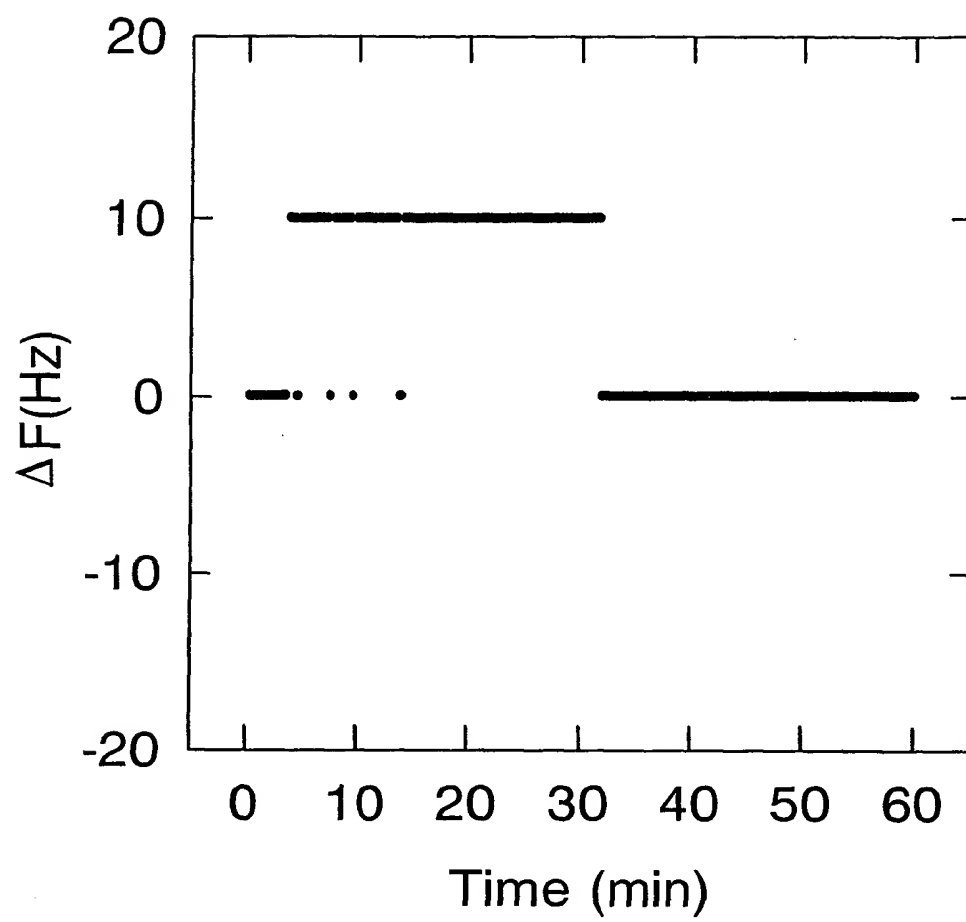


Fig. 4(b)

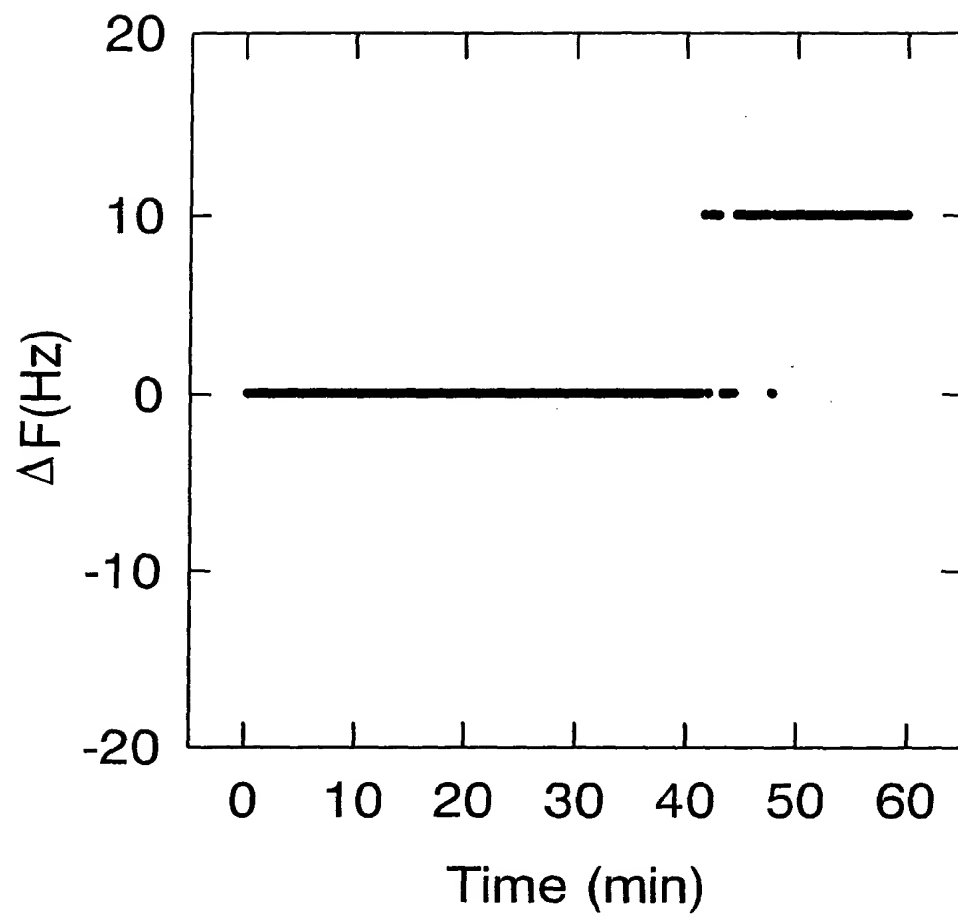


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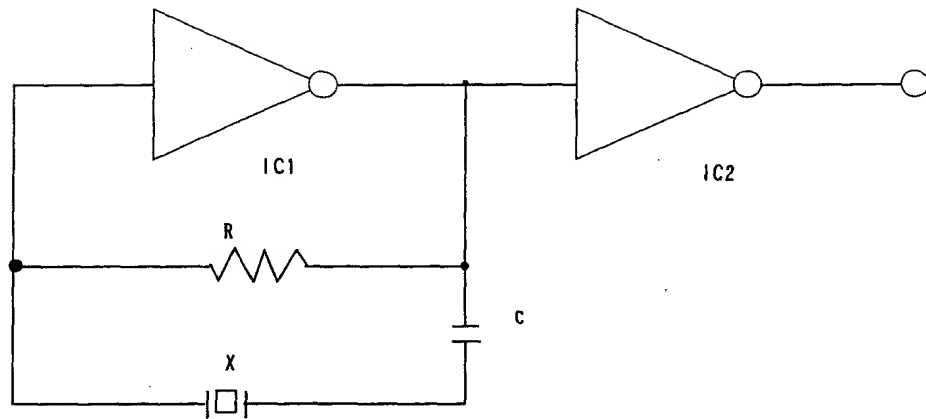
Fig. 5



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Fig. 6



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Fig. 7



IC1 IC2: inverter (74HC04AP) X: crystal oscillator
R: 500K Ω C: 1000PF

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Fig. 8(a)

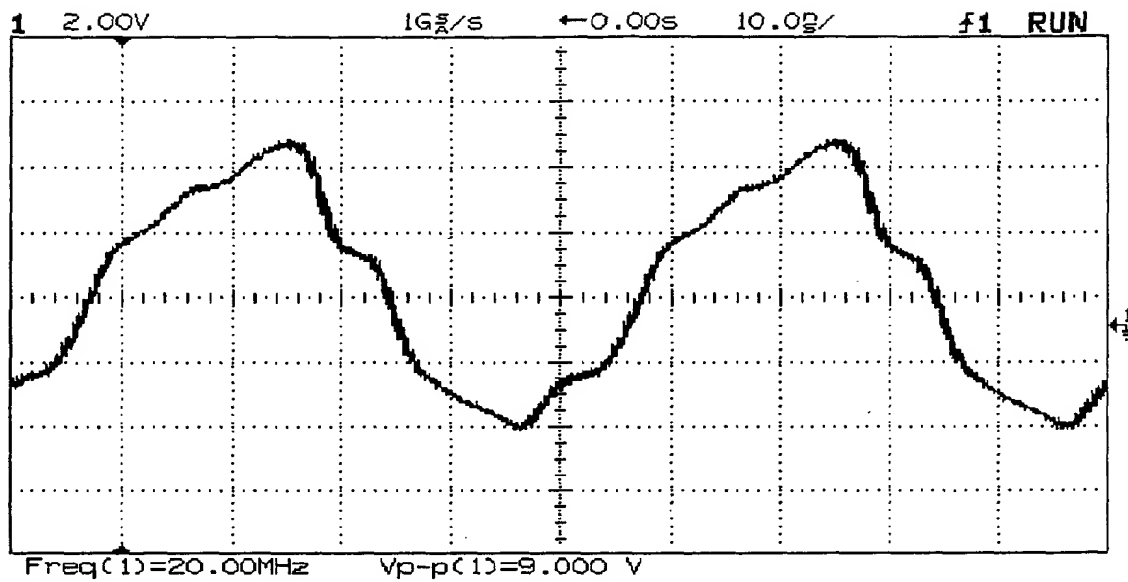
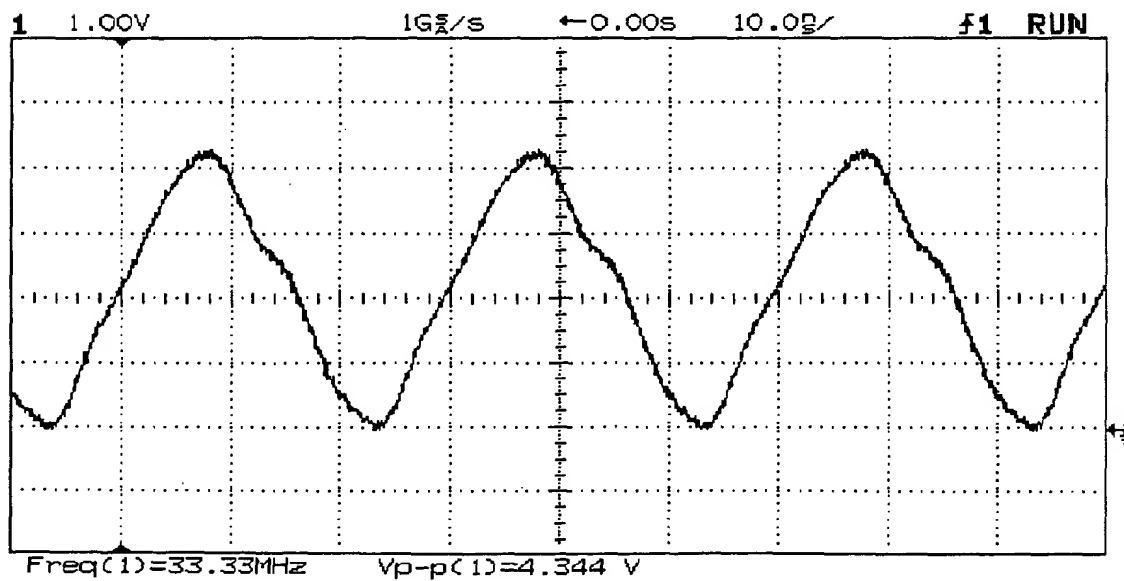


Fig. 8(b)



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Fig. 8(c)

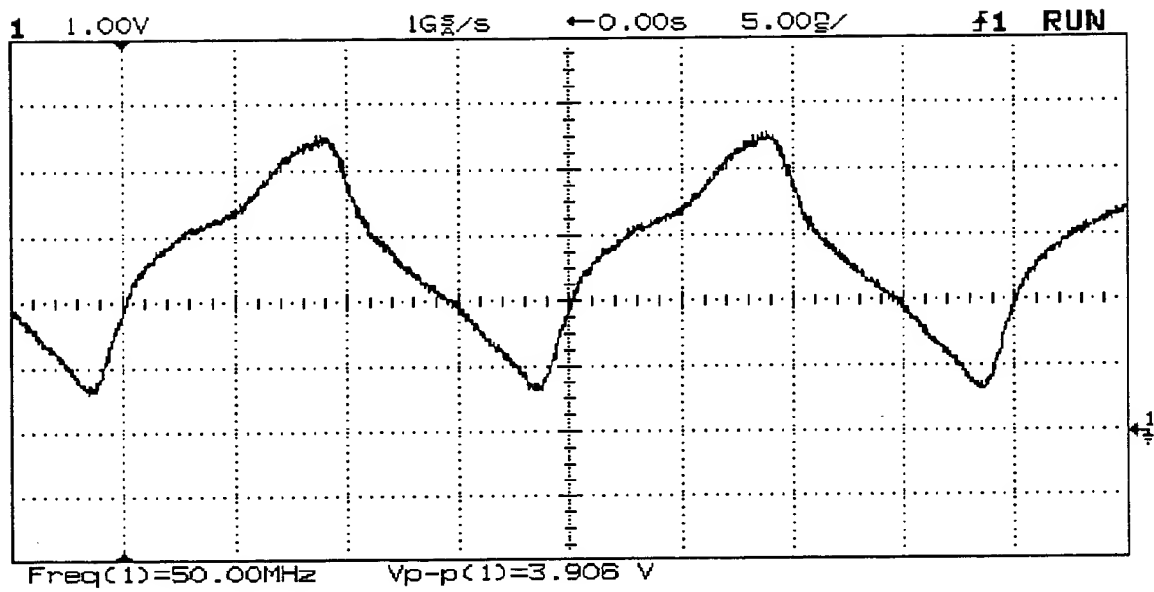
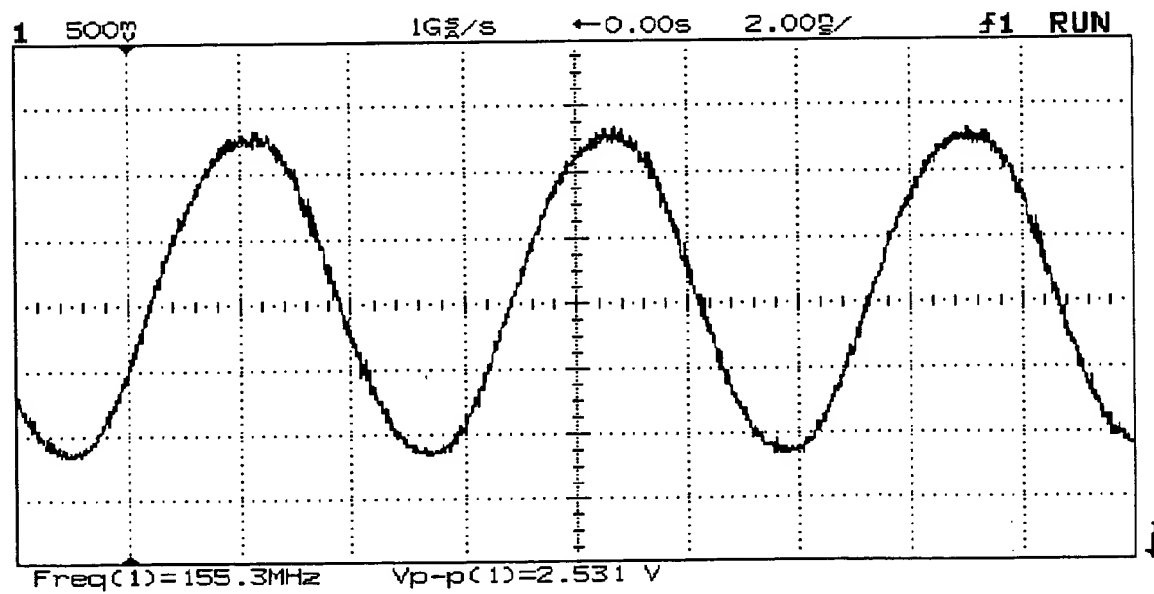
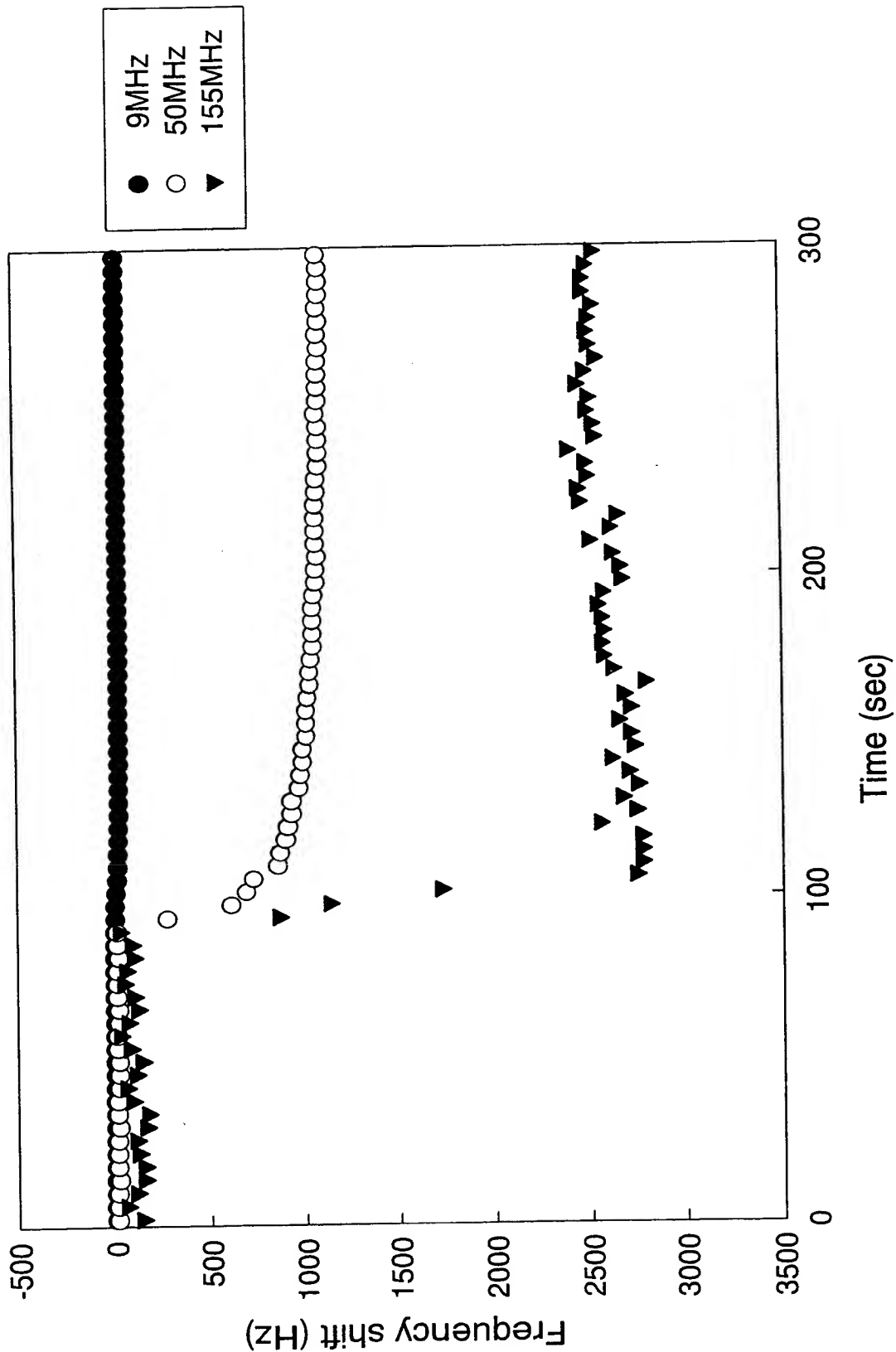


Fig. 8(d)



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Fig. 9(a)



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